

Art Unit: ***

CLMPTO

05/10/02

RJ

Original

1. A biosensor that is made of a single layer or plural layers of a porous material, said biosensor having a reagent holding part and utilizing chromatography, wherein

a cell shrinkage reagent is carried on at least part of the reagent holding part, or at least part of a chromatographically developed part which is upstream of the reagent holding part.

Original

2. The biosensor of Claim 1 wherein

a liquid specimen to be added is whole blood.

Original

3. The biosensor of Claim 1 wherein

a liquid specimen to be added is a solution including bacteria.

Original

4. The biosensor of Claim 1 wherein

the cell shrinkage reagent is inorganic salt.

Original

Art Unit: ***

5. The biosensor of Claim 1 wherein
the cell shrinkage reagent is amino acid.

Original

6. The biosensor of Claim 1 wherein
the cell shrinkage reagent is saccharide.

Original

7. The biosensor of Claim 1 wherein
a carrier that carries the cell shrinkage reagent is dried
naturally or dried by air-drying.

Original

8. The biosensor of Claim 1 wherein
a carrier that carries the cell shrinkage reagent is dried

by freeze-drying.

Original

9. The biosensor of Claim 1 wherein
a carrier that carries the cell shrinkage reagent is dried

by heat drying.

Original

10. The biosensor of Claim 1 wherein
the biosensor is a one-step immunochromatographic test
strip.

Original

Art Unit: ***

11. The biosensor of Claim 1 wherein
the biosensor is a dry analytical element.

Original

12. A blood component analytical method in which a biosensor that is made of a single layer or plural layers of a porous material, said biosensor having a reagent holding part and utilizing chromatography is employed, wherein

cell components shrink and the shrunk cell components are separated in an area of at least part of the reagent holding part, or at least part of a chromatographically developed part that is upstream of the reagent holding part, on which a cell shrinkage reagent is carried.

Original

13. The blood component analytical method of Claim 12 wherein a blood specimen to be added is whole blood.

Original

14. The blood component analytical method of Claim 12 wherein the cell shrinkage reagent is inorganic salt.

Original

15. The blood component analytical method of Claim 12 wherein the cell shrinkage reagent is amino acid.

Original

Art Unit: ***

16. The blood component analytical method of Claim 12 wherein the cell shrinkage reagent is saccharide.

Original

17. The blood component analytical method of Claim 12 wherein a carrier that carries the cell shrinkage reagent is dried naturally or dried by air-drying.

Original

18. The blood component analytical method of Claim 12 wherein a carrier that carries the cell shrinkage reagent is dried by freeze-drying.

Original

19. The blood component analytical method of Claim 12 wherein a carrier that carries the cell shrinkage reagent is dried by heat drying.

Original

20. The blood component analytical method of Claim 12 wherein the concentration of the cell shrinkage reagent is 0.05 - 0.3M.

Original

21. The blood component analytical method of Claim 12 wherein the biosensor is a one-step immunochromatographic test strip.

Art Unit: ***

Original

22. The blood component analytical method of Claim 12 wherein the biosensor is a dry analytical element.

Original

23. A blood component analytical method in which a biosensor that is made of a single layer or plural layers of a porous material, said biosensor having a reagent holding part and utilizing chromatography is employed, wherein

cell components shrink or shrink while being chromatographically developed in a state where shrunk cell components are mixed, in an area of at least part of the reagent

holding part, or at least part of a chromatographically developed part that is upstream of the reagent holding part, on which a cell shrinkage reagent is carried.

Original

24. The blood component analytical method of Claim 23 wherein a blood specimen to be added is whole blood.

Original

25. The blood component analytical method of Claim 23 wherein the cell shrinkage reagent is inorganic salt.

Original

Art Unit: ***

26. The blood component analytical method of Claim 23 wherein the cell shrinkage reagent is amino acid.

Original

27. The blood component analytical method of Claim 23 wherein the cell shrinkage reagent is saccharide.

Original

28. The blood component analytical method of Claim 23 wherein a carrier that carries the cell shrinkage reagent is dried naturally or dried by air-drying.

Original

29. The blood component analytical method of Claim 23 wherein a carrier that carries the cell shrinkage reagent is dried by freeze-drying.

Original

30. The blood component analytical method of Claim 23 wherein a carrier that carries the cell shrinkage reagent is dried by heat-drying.

Original

31. The blood component analytical method of Claim 23 wherein the concentration of the cell shrinkage reagent is 0.1 ~ 5.0M.

Original

Art Unit: ***

32. The blood component analytical method of Claim 23 wherein the biosensor is a one-step immunochromatographic test strip.

Original

33. The blood component analytical method of Claim 23 wherein the biosensor is a dry analytical element.

34. (New) The biosensor of claim 1 wherein the concentration of the cell shrinkage reagent is 0.05 ~ 5.0M.